

WHAT IS CLAIMED IS:

1. An organic electroluminescent display device comprising:

an array substrate;

5 an organic electroluminescent element formed on the array substrate and having a transparent anode, a hole transporting layer, a light emitting layer, and a cathode;

10 an epoxy resin layer so formed as to cover the organic electroluminescent element and containing not more than 1 wt% of water; and

 a moisture-resistant layer formed on the epoxy resin layer.

2. A device according to claim 1, wherein the
15 moisture-resistant layer is a laminated film in which not less than one layer of at least one inorganic oxide selected from the group consisting of silicon oxide and aluminum oxide, or at least one inorganic nitride selected from the group consisting of silicon nitride
20 and aluminum nitride, is stacked on a base film made of plastic, a laminated film formed by depositing a metal on a base film made of plastic, or a metal foil.

3. A device according to claim 2, wherein the
25 moisture-resistant layer has a three-layered structure in which a silicon oxide layer is interposed between two base films.

4. A device according to claim 1, wherein

the moisture-resistant film has a thickness of 50 to 200 μm .

5. An organic electroluminescent display device comprising:

5 an array substrate;

an organic electroluminescent element formed on the array substrate and having a transparent anode, a hole transporting layer, a light emitting layer, and a cathode;

10 an inorganic insulating layer so formed as to cover an outer circumferential surface of the organic electroluminescent element;

an organic resin layer so formed as to cover at least the organic electroluminescent element which is covered with the inorganic insulating layer; and

15 a moisture-resistant layer formed on the organic resin layer.

6. A device according to claim 5, wherein the inorganic insulating layer is a layer of at least one inorganic oxide selected from the group consisting of silicon oxide and aluminum oxide, or a layer of at least one inorganic nitride selected from the group consisting of silicon nitride and aluminum nitride.

7. A device according to claim 5, wherein the inorganic insulating layer has a thickness of 0.1 to 5 μm .

8. A device according to claim 5, wherein the

moisture-resistant layer is a laminated film in which not less than one layer of at least one inorganic oxide selected from the group consisting of silicon oxide and aluminum oxide, or at least one inorganic nitride selected from the group consisting of silicon nitride and aluminum nitride, is stacked on a base film made of plastic, a laminated film formed by depositing a metal on a base film made of plastic, or a metal foil.

9. A device according to claim 8, wherein the moisture-resistant layer has a three-layered structure in which a silicon oxide layer is interposed between two base films.

10. A device according to claim 5, wherein the moisture-resistant film has a thickness of 50 to 200 μm .

11. An organic electroluminescent display device comprising:

an array substrate;

an organic electroluminescent element formed on the array substrate and having a transparent anode, a hole transporting layer, a light emitting layer, and a cathode;

a first inorganic insulating layer so formed as to cover at least an outer circumferential surface of the organic electroluminescent element;

a moisture absorbing layer formed on the first inorganic insulating layer so as to oppose the organic

electroluminescent element;

a second inorganic insulating layer formed on at least the first inorganic insulating layer so as to cover a surrounding surface of the moisture absorbing layer;

an organic resin layer so formed as to cover at least the organic electroluminescent element which is covered with the first and second inorganic insulating layers; and

a moisture-resistant layer formed on the organic resin layer.

12. A device according to claim 11, wherein each of the first and second inorganic insulating layers is a layer of at least one inorganic oxide selected from the group consisting of silicon oxide and aluminum oxide, or a layer of at least one inorganic nitride selected from the group consisting of silicon nitride and aluminum nitride.

13. A device according to claim 11, where each of the first and second inorganic insulating layers has a thickness of 0.1 to 5 μm .

14. A device according to claim 11, wherein the moisture absorbing layer is at least one layer selected from the group consisting of calcium, barium, oxides of calcium and barium, silica gel, and polyvinyl alcohol.

15. A device according to claim 11, wherein the moisture absorbing layer has a thickness of 0.01 to

0.5 μm .

16. A device according to claim 11, wherein the moisture-resistant layer is a laminated film in which not less than one layer of at least one inorganic oxide
5 selected from the group consisting of silicon oxide and aluminum oxide, or at least one inorganic nitride selected from the group consisting of silicon nitride and aluminum nitride, is stacked on a base film made of plastic, a laminated film formed by depositing a metal
10 on a base film made of plastic, or a metal foil.

17. A device according to claim 16, wherein the moisture-resistant layer has a three-layered structure in which a silicon oxide layer is interposed between two base films.

15 18. A device according to claim 11, wherein the moisture-resistant film has a thickness of 50 to 200 μm .